

AMENDMENT**In the Claims**

Please cancel claims 1-4, 7, and 8 without prejudice or disclaimer.

Claim 1-4 (cancelled)

Claim 5 (currently amended): A method for producing a first polyketide, said method comprising expressing polyketide synthase (PKS) genes encoding a first PKS that produce the first polyketide in an overproducing cell that has been optimized for production of a second polyketide, The method of Claim 1, wherein the overproducing cell produces the second polyketide at a level greater than 1 g/L of culture medium, and wherein the genes encoding the second PKS are deleted or otherwise rendered inactive.

Claim 6 (currently amended): A method for producing a first polyketide, said method comprising expressing polyketide synthase (PKS) genes encoding a first PKS that produce the first polyketide in an overproducing cell that has been optimized for production of a second polyketide, The method of Claim 1, wherein the overproducing cell produces the second polyketide at a level greater than 10 g/L of culture medium, and wherein the genes encoding the second PKS are deleted or otherwise rendered inactive.

Claim 7 -8 (cancelled)

Claim 9 (withdrawn): An overproducing host cell useful in the method of Claim 1 from which the genes encoding the second polyketide have been deleted and in which the genes encoding the PKS that produces the first polyketide can be readily introduced and expressed.

Claim 10 (withdrawn): The host cell of Claim 9 that is derived from a *Saccharopolyspora erythraea* host cell that produces erythromycins at a level exceeding 2.5 g/L and is modified by deletion of all or substantially all of the *eryA* genes.

Claim 11 (withdrawn): The host cell of Claim 9 that is derived from a *Saccharopolyspora erythraea* host cell that produces erythromycins at a level exceeding 2.5 g/L and is modified by mutational inactivation of the ketosynthase (KS) domain of module 1 of the DEBS PKS.

Claim 12 (withdrawn): The host cell of Claim 9 that produces 10,11-anhydro-6-deoxyerythronolide B.

Claim 13 (withdrawn): A recombinant host cell that has been modified, relative to the cell from which it was derived, to contain one or more *attB* or *attP* sites.

Claim 14 (withdrawn): The cell of Claim 13 that is derived from a cell that has been optimized by mutagenesis to produce a polyketide at high levels.

Claim 15 (withdrawn): The cell of Claim 13 that is a *Saccharopolyspora erythraea* host cell.

Claim 16 (withdrawn): The cell of Claim 15 that is derived from *Saccharopolyspora erythraea* NRRL2338.

Claim 17 (withdrawn): The cell of Claim 15 that is derived from a cell that produces erythromycins at greater than 2.5 g/L.

Claim 18 (withdrawn): A method for obtaining a transformant of a cell of Claim 13, which comprises conjugating said cell with a cell that contains a vector that comprises the complementary attachment site in the presence of an integrase.

Claim 19 (withdrawn): A cell produced by the method of Claim 18.

Claim 20 (withdrawn): The cell of Claim 19 that produces a polyketide that is not produced by the cells prior to said conjugating step.